

DERWENT-ACC-NO: 1983-768302
DERWENT-WEEK: 198338
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TITLE: Thermosetting resin compsn. - contg. organic
sulphonate(s) has improved
stability and curing velocity

PATENT-ASSIGNEE: MITSUI TOATSU CHEM INC[MITK]

PRIORITY-DATA: 1982JP-0018138 (February 9, 1982)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
PAGES	MAIN-IPC	
JP 58136648 A	August 13, 1983	N/A
N/A		006

INT-CL_(IPC): C08K005/42; C08L061/00

ABSTRACTED-PUB-NO: JP58136648A

BASIC-ABSTRACT: Thermosetting resin compsn. is claimed contg. (1)
thermosetting
resins and (2) organic sulphonates in amt. of 0.1-40wt.% of (1).

Component (1) includes pref. phenol-formaldehyde resin, phenol
cpd.-aromat ic
alkyl ether condensed resin, phenolic polymers. From the
viewpoint of the
affinity for (1), component (2) includes pref. aromatic
ring-contg. organic
sulphonates.

Compsn. is stable under the condition of B stage (e.g. at below
130 deg.C) and
shows improved curing velocity at above 160 deg.C. Compsn. is
used as moulding
material, lamination material, paint, adhesive, etc.

In an example, 100 pts.wt. novolak type phenol resin having
softening pt. of
92-98 deg.C synthesised by the use of hydrochloric acid catalyst
was melted at
160 deg.C and mixed with 1.0 pt.wt. of Na toluene-sulphonate .
100 Pts.wt. of
the compsn. was mixed with 15 pts.wt. of hexamethylenetet ramine
and crushed.
The sample showed gel time of 210 secs. at 130 deg.C and 20
secs. at 165

deg.C.

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS:

THERMOSETTING RESIN COMPOSITION CONTAIN ORGANIC SULPHONATE
IMPROVE STABILISED
CURE VELOCITY

DERWENT-CLASS: A21 A60 A81 A82 E14 G02 G03

CPI-CODES: A05-C01; A08-D; E10-A09B4; G02-A02B; G02-A02F;
G03-B02C; G03-B02E1;

CHEMICAL-CODES:

Chemical Indexing M3 *01*

Fragmentation Code

G010 G011 G012 G013 G020 G021 G040 G100 K0 K4
K431 M210 M211 M212 M213 M214 M215 M216 M220 M221
M222 M223 M224 M225 M226 M231 M232 M233 M240 M271
M280 M281 M320 M414 M416 M510 M520 M531 M540 M620
M903 Q130 Q132 Q331 Q332 R021 R022 R038 R045

UNLINKED-DERWENT-REGISTRY-NUMBERS: 0760U

POLYMER-MULTIPUNCH-CODES-AND-KEY-SERIALS:

Key Serials: 0037 0206 0042 0228 0229 1277 1311 1353 1357 1517
1920 2020 2043

2064 2198 2297 2301 2302 2493 2545 2572 2667 2682 2685 2718 2792

Multipunch Codes: 013 03& 03- 06- 075 080 09- 140 15- 153 163 180
213 214 215

225 231 262 273 293 299 341 359 37& 473 476 477 48- 532 536 546
604 608 609 656

681 689 720 721

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1983-090841

CLIPPEDIMAGE= WO009915571A1
PUB-NO: WO009915571A1
DOCUMENT-IDENTIFIER: WO 9915571 A1
TITLE: PROCESS FOR PRODUCTION OF A SULPHONATED PHENOLIC RESIN

PUBN-DATE: April 1, 1999

INVENTOR-INFORMATION:

NAME	COUNTRY
SVENSSON, ANNIKA	SE

ASSIGNEE-INFORMATION:

NAME	COUNTRY
PERSTORP AB	SE
SVENSSON ANNIKA	SE

APPL-NO: SE09801613
APPL-DATE: September 11, 1998

PRIORITY-DATA: SE09703400A (September 22, 1997)
INT-CL_(IPC): C08G008/28

ABSTRACT:

A process for production of a substantially water soluble or water dilutable sulphonated resole type phenolic resin is provided. The process comprises subjecting at least one phenolic compound and formaldehyde, at a molar ratio phenolic compound to formaldehyde of 1:1.5 to 1:5, to a condensation reaction in the presence of an effective amount of at least one basic catalyst. The condensation reaction is terminated when a free formaldehyde content of 1-10 % by weight is obtained and yielded condensation product is subsequently subjected yielded to a sulphonation, which sulphonation comprises adding 1-10 % by weight of pyrosulphite. The sulphonation is performed at a temperature of 30-60 DEG C and maintained for a time period of at least 15 minutes.